

NEW WATERTAN

This specification applies to the urethane-exposed waterproofing construction shown in the drawing. It is a paint mainly composed of polyurethane resin. Samhwa paint or equivalent products should be submitted in advance and approved by the supervisor.

1. Special Feature

New Watertan is a waterproof paint using a one-component water-soluble urethane resin. It forms a coating film having strong elasticity, adhesion force and durability and excellent waterproof property. Therefore, it prevents water from penetrating into cracks due to contraction and expansion due to temperature difference of architectural base, It is a water-soluble paint suitable for waterproofing roofs and flat roofs with a slope that is gentle and protected.

2. Usage

Rooftop and exterior waterproofing of various buildings

3. Application

Surface Preparation	<ol style="list-style-type: none"> Surface preparation <ul style="list-style-type: none"> The surface to be coated should be sufficiently dry. (Relative humidity 80% or less at 25 °C, sufficient curing for 28 days or more) All surfaces must be free of rust, dust, grease, oil, moisture or other contaminants. Minimum concrete strength need more than 160 kgf/cm². In case of high strength concrete (260 kgf / cm² or more), it is necessary to perform surface treatment by blasting method because bad adhesion may occur during the treatment of grinding. Environmental conditions <ul style="list-style-type: none"> Air temperature: 10 to 35°C range. Relative humidity: up to 80%. Application Equipment <ul style="list-style-type: none"> Roller, Brush, Air Spray <p>* note: To prevent moisture condensation during application, surface temperature must be at least 3°C above the dew point. In confined spaces, ventilation is required during application and drying.</p>																																
Application System	Primer : EPOCOAT AQUA PRIMER Top Coat : NEW WATERTAN																																
Coverage	<table border="1"> <thead> <tr> <th>Coating order</th> <th>Product name</th> <th>Standard number</th> <th>Coating times</th> <th>Dry film thickness</th> <th>Theoretical consumption</th> <th>Actual consumption</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>Primer</td> <td>EPOCOAT AQUA PRIMER</td> <td></td> <td>1</td> <td>50μm</td> <td>0.167L/m²</td> <td></td> <td></td> </tr> <tr> <td>Top Coat</td> <td>NEW WATERTAN</td> <td></td> <td>2~3</td> <td>1,000μm</td> <td>2.45Kg/m²</td> <td></td> <td></td> </tr> <tr> <td>TOTAL</td> <td></td> <td></td> <td>3~4</td> <td>1,050μm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>* Practical Coverage can be increased or decreased followed by working condition, work method, and so on. * VAT not included * Separation of construction cost</p>	Coating order	Product name	Standard number	Coating times	Dry film thickness	Theoretical consumption	Actual consumption	Remark	Primer	EPOCOAT AQUA PRIMER		1	50μm	0.167L/m ²			Top Coat	NEW WATERTAN		2~3	1,000μm	2.45Kg/m ²			TOTAL			3~4	1,050μm			
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Application Procedure	<ol style="list-style-type: none"> Primer <ul style="list-style-type: none"> After surface treatment, mix Epocoat Aqua Primer and the curing agent at a volume ratio of 1: 1. If necessary, dilute 10% of water (fresh water) and paint 50μ 1 time with a brush, roller and spray. It should be applied uniformly so that it does not become partly after coating. In case of a part where the paint surface is absorbed at a time of painting (where it is reduced to the original background color), additional coating should be applied. Top coating <ul style="list-style-type: none"> After coating, after applying for more than 6 hours at 25 °C, paint uniformly at 500μm of coat thickness using brush, roller or airless spray. Do not dilute as much as possible. If dilution is necessary, dilute to less than 5%. Recoat after 12 hours at 25 °C. 																																
Caution	<ol style="list-style-type: none"> Avoid contact with eyes and repeated contact with skin. Keep away from heat and open flame. Keep adequate ventilation during application. Avoid breathing of vapors or spray mist. After the painting work, please wash exposed skin thoroughly. Keep the container closed when not in use. Store in the area beyond children's reach. Do not mix this product with other paints. Avoid applying paint on rainy days, high humidity (over 80%), low temperature (below 5 °C) and high temperature (over 40 °C surface temperature). 																																

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10. Store the product in a dry, cool place at room temperature (5 ~ 35 °C) away from fire and direct sunlight. Keep container tightly closed with the injection port facing up.
 11. Alcohol-Containing thinner(Epoxy thinner) never use. When use it, Paints doesn't dry.
 12. Since this product is a chemical product, it may deteriorate during long-term storage. Please use it within the validity period. Please use the product after confirming it with the consumer counseling room.
 13. Since it is water-soluble, paint should not be frozen and mixing with other paint is prohibited.
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